

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [7155] "Paul F. Young" <pfy@axe.intercall.com>: 38 Special parts kits
Message-ID: <19961225.151251.4679.3.wb2vuo@juno.com>

----- Begin forwarded message -----
From: "Paul F. Young" <pfy@axe.intercall.com>
Subject: 38 Special parts kits "WHY?"
From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Steve Galchutt <NOTU@webaccess.net>
Subject: [7135] **Snowcave: 40m(65%), 80m(25%) Both(10%)**
Message-ID: <32C144DE.5156@webaccess.net>

Thanks fellow snow-minded wattmizers,

I enjoyed & appreciate your comments/suggestions!

Interesting Results....40m was voted most *practical* because of activity and antenna-friendly....80m offers possibly less QRM from foreign Broadcasts but was less friendly in the antenna area. (However, I can remember running lots of traffic on local 80m NTS nets with just a 40m center fed zepp up 25').... Some suggested bringing as many rigs possible, memory keyers, tuners etc. and have a field day!...Oh, no one recommended bringing any antifreeze...it slows down the WPM!.....Yes, as suggested, I will bring solar cells for charging the batteries used for light & QRP... and I will publish my Snowcamping List as soon as I finish remembering where I filed it! I'll also post a sked of times and freqs before I leave for Wolf Creek Pass, Colorado. (150-200 inches of snow)...We (2 of us) plan to pull sleds and carry a light backpacks with all the weight in the sleds - no dogs allowed on this trip as we'll be melting snow for our drinking water... !beware of yellow snow!...Tks agn, CUL NOTU . .

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: wb8ygg@juno.com (Bradley S. Mitchell)
Subject: [7149] 10 Meter FM transceiver KIT
Message-ID: <19961225.131058.8751.1.WB8YGG@juno.com>

Did anybody ever make the E-Comm
Hand held transceiver kit from October 1992 Electronics NOW?

Just cruious.

73 Brad WB8YGG

From owner-qrp-l@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: cookies@pc.jaring.my (Siong AMATEUR RADIO STATION 9M8ST / V85ST [G-QRP 7986])
Subject: [7126] 38 Special
Message-ID: <199612250833.QAA09760@relay4.jaring.my>

Hi fellow Qrpers,

I happened to miss out the specifications [literature] on 38 special can some fill me in as to where I could get a complete Kit from (including e-mail address)? Pls e-mail direct.

Merry X'mas + Mni Qrp under the X'mas tree.

72/3

Joseph

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*****
*      SIONG 9M8ST/V85ST      /-/-/ ~  /\ \      *
*      G-QRP 7986             |      /_|\_ \      *
*  e-mail cookes@pc.jaring.my |      //^^\ \      *
*      snail mail address :    ----/^^\_/_|%@|_--\      *
*      171D Cookes Drive      *
*      93150 Kuching Sarawak  *
*      MALAYSIA               *
*                               *
*      # For more information about SARAWAK check in #      *
*                               *
*      http://www.sarawak.gov.my/stb      *
*                               *
*****

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From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: [7156] 38 Special Mod Parts Kits
Message-ID: <19961225.202337.6551.27.k7yha@juno.com>

Gang:

I have been loosely following this thread and I seem to draw the conclusion that certain people on this list feel that if you don't (or can't) scrounge the extra parts maybe you should try some other hobby. I must disagree. I am in favor of a parts kit for the extras like the 5 watt amp and keyer. Here's why. 10-15 years ago, when I had much more spare time than I do now, it was no big deal to scrounge for parts, cruise thru some catalogs, order parts, go to hamfests and scrounge around the flea market looking for bits and pieces to start or finish a project.

Now that I am past 50, my time is a hellavalot more valuable (and important to ME) and I don't want to be bothered with the hassle of rounding up parts. That's why I really enjoy the Wilderness Kits. The NorCal-40 I built almost 3 years ago (one of the original kits from NorCal) was complete and was one of the very best performing radios I ever built. Had I bought the partial kit from NorCal it would still be sitting in the baggie awaiting my efforts to procure the necessary parts.

Bottom line: I do not want to take the extra time needed to scrounge parts for kits, even if Rat Shack is the source. (NOTE: having worked for Rat Shack for 3 years some time ago, I know for a fact that they add and delete small parts from their inventory on a whim. So what may be a stock part now may not be in the inventory 6 months or a year from now....Tandy knows no loyalty...just a good bottom line!).

In short, my time is too valuable to spend it scrounging parts. If all the parts are there, fine, the kit will get built. If I have to spend the extra time and effort to locate additional parts for mods or upgrades, then there is a 90% chance that the rig will remain in stock condition forever.

73 rich K7SZ

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: "Paul F. Young" <pfy@axe.intercall.com>
Subject: [7152] 38 Special parts kits "WHY?"
Message-ID: <3.0.32.19961225144143.0069a6f8@mail.intercall.com>

To All,

One of the reasons I commented on the original idea of a parts kit for the Mods on the 38 special kit is because I am (and I am sure there are others out there) that could use the extra help of a pre-kitted Mods. Unlike some others we are not all born with an Electrical Engineering degree and parts Bin from a thousand flea markets in our basements.

Hams always talk about bringing new people to the hobby through no code tests and getting children interested when they are younger by talking about ham radio at schools; well I'm one of those new people. I have only been a ham since the end of Nov. '96 and I have passed my 1a, code and have a tech plus license with a CSCE for gen part passed, and I will be going for My 1b and Adv test next month(see how I weave my "how I became a ham Bio." in this).

I have a big enough learning curve just to get this kit built, and thought the idea of a pre-kitted Mods package would be a help especially in the identification of the correct parts to put in the radio. For instance I looked at the Mouser cataloged(see I'm trying to learn) and found the IRF510 amp for the five watt mod for the 38 spec. only problem is there are two with the same part number. One is an N-ch mosfet 5.6a 100v the other is power mosfet 100v so which one do I get? (just an example you don't have to tell me I'll just guess). I also went looking for a 10 turn pot or was that 10K pot There is ruffly 12 pages of potentiometers to sift thru and I haven't even opened my digikey cataloged yet.

So give us new guys a brake. I most assuredly appreciate the kitting of a radio project as fine as the 38 special is by all the guys at NORCAL. It was not to insult or belittle the work they are doing in fact I will be ordering another radio soon(so that I have a spare board for when I screw up the first one).

Thanks for the band width.

Merry Christmas!! And let the flames begin!!

<color><param>0000,8080,0000</param>Paul F.Young KC2AHB

pfy@mail.intercall.com ,76716.722@compuserve.com

Ramapo Mt. A.R.C, S.A.R.A. (N.J.)

AKQRP #042 QRP-L #881

</color>

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: n4so@juno.com
Subject: [7140] 38spec.txt
Message-ID: <19961225.121521.5223.1.N4S0@juno.com>

Can someone send me the N4S0 file called 38spec.txt sent out to several on the list about 2 weeks ago? It contained the 38 Special specifications and circuit details and was about 14,000 bytes long.

Ken Brown , N4S0
QTH: Nr Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [7133] 6m philosophy
Message-ID: <Pine.3.89.9612250808.B4754-01000000@w3eax.umd.edu>

As I like to say,

"6m sucks until there's an opening."

Nothing, nothing, nothing to hear...When I built my 1208 xverter, it was early April. I heard NOTHING except the cordless phones and the W3VD beacon on 50.064 for the next 2+ months. I was getting frustrated.

Then BAMMMMM!!!! Came home one night at 7 p.m. and flipped on the xverter and WOW! OTHER BEACONS! Hey, maybe that translates to people!

It opened to Texas, Illinois, Ontario, Quebec, Maine, and even the Caribbean...maybe only to a small area for a short time...giving the "little gun" a chance!

During that time, a watt will work wonders, even when feeding a dipole.

6m SSB is a good starter IF there's a group of locals. But then again, in such cases, most people would just rather use repeaters.

Tell the no-coder that when 6m DOES open, and during contests, CW will net a LOT of contacts while SSB will net fewer - and since crossmode operation is "acceptable" on V/UHF and above, working CW, even at low power, can get you through a pretty massive pileup (i.e. C6AIE on 8 watts, in my case, plus the CY0AA Sable Island DXpedition).

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: "Bernard F. Gaffney, Jr." <70272.2555@compuserve.com>
Subject: [7145] 6M SSB/CW
Message-ID: <961225173053_70272.2555_JHD28-1@CompuServe.COM>

There were a couple of posts asking about 6m SSB/CW QRP plans. Don't know about any plans, but the latest T-Kit catalog from TenTec has two 6m SSB-CW-FM transverter kits. One is 20m --> 6m(TX 50-52Mhz), the other 2m --> 6m(TX 50-54Mhz). Kit price is \$95 US; assembled and tested \$159 US. 8w out, max 5w in. Email sales@tentec.com for info/catalog.

Not a TenTec employee, or equipment owner.

73 de N8PVZ

----bernard gaffney

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Bill Meahan <www@wa8tztg.mi.org>
Subject: [7147] Amidon Toroid specs on the Web
Message-ID: <32c16af9.wa8tztg@wa8tztg.mi.org>

While Web surfing the other day, I stumbled across a web site where an Amidon reseller has placed the *entire* Amidon catalog and technical specifications booklet in HTML format. This means there's a nice, searchable, hyperlinked source of toroid information and specs. Way cool!

The distributor also has an order form available and shows prices somewhat lower than directly from Amidon. I have not tried this but might very well do so soon.

The URL is:

<http://www.bytemark.com/amidon/contents.htm>

Usual disclaimers apply - heck, I haven't even *bought* anything from them!

72 and Merry Christmas!

(PS - I tried sending this earlier but screwed up the outgoing mail.

Apologies if this is a "duplicate" message to the list.)

Bill Meahan WA8TZG

wmeahan@wa8tzg.mi.org

ARRL, IMRA, QRP-L(#117), NorCal QRP (#407), G-QRP (#8468), MI-QRP (#M1458)

All statements herein are worth exactly what you paid for them

cat: a purr bearing mammal

From owner-qrp-l@Lehigh.EDU Wed Dec 25 18:01:15 1996

From: Dave.Ackrill@westwood45.powergen.co.uk

Subject: [7127] Boxing Day

Message-ID: <961225095845Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/

ADMD=CWMAIL/C=GB@MHS>

Frank is right, Boxing Day IS the day following Christmas and usually the start of the G-QRP Club Winter Sports. Which is an activity period, not a contest, so work as many as you can as often as you can, for as long a QSO as you like!!

However, according to the latest issue of SPRAT (The G-QRP Club magazine) this year WS start on December 24th. I presume that it was just a typo?

To further explain about Boxing Day, over here presents were not given on Christmas day, but were given after Christmas (think of the song about giving a different present on the twelve days after Christmas), and the tradition of removing the decorations on "Twelfth Night" (literally 12 nights after Christmas). Well the day after Christmas Day became the day on which people exchanged Boxes (presents). So the day after Christmas day became known as "Boxing Day".

Now all I need to find are twelve QRP kits in boxes that my loved ones can buy me for each of the days of Christmas. Any ideas? So far I've thought of these (Sung as the final verse of the 12 days of Christmas, usually ends with a Partridge in a pear tree)

Don't try to sing the bits in brackets, they are to explain the idea

behind the line!

On the twelfth day of Christmas my XYL gave to me;
12 metre rig
11 CBers dancing (11 metre band!)
10 metres jumping (must be Sporadic-E)
9 band QRP rig
8 40-9ers
7 St. Louis Tuners
6 G5RVs
5 QSLs (sang slowly each time)
4 Calling frequencies
3 French Hams
2 SLVs
and a dipole in a pear tree

For those who don't know the song, this is the more usual version
(I'm not printing it all out, just to say you start at the bottom,
with a pear tree, and add a line each time, then count back down to
the beginning, until you finally sing:-

On the twelfth day of Christmas my true love gave to me;
12 drummers drumming
11 pipers piping
10 lords a-leaping
9 ladies dancing
8 maids a-milking
7 swans a-swimming
6 geese a-laying
5 Gold Rings
4 Calling Birds
3 French Hens
2 Turtle Doves
and a Partridge in a Pear Tree.

I've heard another version where the management consultants have got
hold of the verses and made the company more efficient. Another time
perhaps?

Cheers and Merry Christmas de Dave (G0DJJA)

No, I have not touched a drop, Yet!

From owner-qrp-l@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: ukii@megsinet.net (ukii)
Subject: [7131] Clock program?

Message-ID: <01BBF232.84CC78E0@randolph2er1-28.megsinet.net>

Hello Again...

Well,since the pool of knowledge is on Holiday,maybe someone can tell me if there is a program out that will show me UTC time I am running windows95 and want to have that little clock at the bottom "currently showing local time" to stay there,but want another one that has UTC time..is there one somewhere?

Any help would be greatly appreciated!

Best 73 de john

n9ukx

(I will refrain from extending my Heart Felt Wishes for A Merry Christmas and Happy New Year because I have no flame retardant suit)

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996

From: km1h@juno.com

Subject: [7138] F/S: SSB Xcvr Enclosures

Message-ID: <19961225.111330.9903.29.km1h@juno.com>

These are left over from the old Radiokit 75M 30W SSB xcvr kit. Well made by Ten-Tec. They are a 2 piece clam-shell design; 6 1/8" W, 6 3/8" D, 3 1/8" H.

They are all punched, painted flat black and silk screened. There are also S Meter and speaker (slotted holes, not just a big circle) cutouts. I'll include the matching heatsink. Lots of potential uses, including that 6M transceiver project.

Priced to move at \$10 each in small quantities. Talk to me if you want 10 or more.

Cleaning house to make room for new projects.

73.....Carl

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996

From: km1h@juno.com

Subject: [7139] F/S: 9MHz Xtal filters

Message-ID: <19961225.111330.9903.28.km1h@juno.com>

Here are the specs:

CF: 9.000MHz

BW: 2.3KHz @ -6dB

Poles: 8
Shape Factor 6-60dB: 1.8
Impedence: 500 Ohms
IL: <5dB

The filters are new and come with mounting hdw and a matched pair of USB-LSB crystals.

The price is \$45 a set and there are 20 available.

73.....Carl

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: NilsBull@aol.com
Subject: [7162] Hipsin og hopsin og fa-la-la-la-la... Om julekvelden +c
Message-ID: <961225174423_2053332262@emout07.mail.aol.com>

A couple people sent me email about my julhilsen message, wanting to know what all the gibberish at the bottom was. Well, it's easy (yeah, right). First butchered Amerinorsk (american Norwegian, another story in its own right) and then butchered canal bank Spanish (as Dad, who was raised in them parts used to say). The message? Well...

"We at the Grinnin' Turkey Ranch wish you all the best for Christmas and good health and peace in 1997." Or something reasonably close.

The tag line (which appears in the header of this message) is from a Norwegian julesang about some mice who have a julfest. The chorus runs something like "Hipsin & hopsin & fa-la-la-la-la... On Christmas Eve everyone is happy together." It sounds better in Norsk 'cause it was written in it. Doing song translations into English (even as close as English and Norsk are) is not an easy task. Thus I just let the mice sing.

By the way, a couple years ago we had as guests for Christmas dinner four students from Norway who arrived at the house completely smashed. One was so hung over from the previous day's playing at "sukketroll" (the troll who sucks down the ale) that he passed out into a box in the garage. His friends picked him up and started calling him "slangemeneske," the "snake-dude." After everyone came back into the house, these four guys kept breaking into that song (hipsin og hopsin +c), ending each chorus with a fit of giggles and goofiness. It was quite a trip, since Cindy's family (grandma and greatgrandma +c) were all there too. All the mice and Herr Slangemeneske around the table, happy together.

So there's the story. Everybody's got one. Pass the akvavit, vaer saa snil...

73
Nils
WB8IJN +c

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Scott Bauer <ke3nv@erols.com>
Subject: [7122] keyer for straight keys
Message-ID: <199612250405.XAA27525@smtp2.erols.com>

Good evening all,

A few days ago someone had posted a question about a keyer for straight keys. I have one of those little toys. It is called the "CodeBoy" keyer, made by Radio Adventures Corp in Seneca, PA. I did not want to throw in my 2 cents worth until I had a chance to play with the autospace mode for straight keys.

I must say that it works very well. You can set the speed control at any desired speed for straight key use. The CodeBoy will not let you exceed that selected speed. I set the speed at 5 wpm, then started sending dits as fast as I could. The result was dits at 5 wpm. I changed the speed to 10, and 15 wpm with the same results. I cannot send at 20 wpm with a straight key, but tried anyhow, and did notice the spacing was still there.

I can see where a keyer like this would come in very handy. The autospace feature will actually teach you to send every character correctly. Other-words, it wont let you send an "S" at 35 wpm while you are dialed in at 20, or send an "O" that sounds so smeared together that no one can copy it. I played with this keyer for about 30 minutes and noticed a big improvement in my keying, it almost sounded like I was using paddles. I believe with more practice, I will no longer be shy when it comes to using a straight key on the air. In fact, I think it will be very fun to use one now.

The keyer with case is only $1 \frac{3}{16} \times 3 \frac{1}{8} \times 2 \frac{7}{8}$ and weighs $3 \frac{1}{2}$ oz. The board is $3 \times 1 \frac{1}{2}$. It will fit into most qrp rigs.

It features, calibrated speed control of 10-40 wpm, iambic A or B option, DOT and DASH memory, space and weight compensation, inputs for paddles and straight key, autospace on straight key input, mosfet keying transistor output(whatever that is). The unit is based on the RAC C1 series CMOS chip.

The complete kit with case was \$37.95 last year. The board kit, \$24.95. Wired and tested, \$54.95.

I really like this keyer and will continue to use it.

RAC also offers a really neat "code practice reciever" to listen to W1AW, nice looking kit.

I have no financial interest in RAC what so ever. I believe they have some really good kits to build and would appreciate the business.

You can reach them at 814-677-7221 or

RAC
Main Street, PO Box 339
Seneca, PA 16323

72, Merry Christmas, Scott W3CV ex-KE3NV ke3nv@erols.com

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Dave Adams <adamsclan@netgate.net>
Subject: [7160] Laurie comes through again...
Message-ID: <32C1AFCB.3A67@netgate.net>

Well...I opened my Christmas present from my wife and what do I find? A \$25 Radio Shack gift certificate and a \$100 Fry's gift cert (it's for the Weller WCC100 variable temp soldering iron, but she said there was no way she could buy it as I would recognize the box under the tree). Go figure...what a gal...Merry Christmas to all!

73 de dave, n9uxu

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: n4so@juno.com
Subject: [7150] LINEAR TRANSVERTERS
Message-ID: <19961225.145316.5223.2.N4S0@juno.com>

For background on transverters and how they work, see QST mag. for January 1995, page 35, "Putting Your Uniden HR-2510 on VHF and UHF".
"A linear transverter provides a simple, inexpensive way of operating on our VHF/UHF/microwave bands. Such a transverter usually has no external controls of its own, other than a power on/off switch; it merely increases the operating frequency of its associated transceiver." Chris, WB2VVV.

Ken Brown , N4S0
QTH: Nr Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Bob Finch <bfinch@vet.purdue.edu>
Subject: [7142] Look OUT for this one! (medium length)
Message-ID: <199612251701.MAA02049@vet.vet.purdue.edu>

Well it hasn't even been two weeks since I last piped up here, and I'm at it again! But with all of the excellently presented info and engineering of tuners on the list here, I just had to warn the group learning from these posts to STAY AWAY from the Lew McCoy stuff on the Jan issue of CQ.

Jeez, I don't quite know where to begin but it may be sufficient to say it is too bad CQ has him as technical editor, because someone needs to edit his material for content as well as other concerns.

I am quite serious about this. The article is misleading AT BEST. I am quite sure that if you are just trying to learn about the concepts involved with successfully engineering an antenna system you will be ill served by his article.

A couple of examples. You will not have about a 6:1 mismatch at the terminals of a 70 ohm dipole connected to a 450 ohm feedline. In fact, you could JUST AS EASILY have a 1:1 match! The reasons are unfortunately NOT spelled out as such in the article, (although the info SEEMS to be hinted at in the article).

Another example; He states that a 1 db loss isn't measureable. Hey, even with the lousy equipment I got around my shack I can measure 1 db. In fact, 1 db has always been defined as the just noticable change to your ears. (This IS really part of the classic definition ya learn in engineering texts.) I think McCoy meant to say is that it is an loss of no real consequence, which I might well agree to in SOME (but not all) cases.

He spends ALOT of space repeating material, but never explains the SIMPLE reason there is a POTENTIALLY a third rf conductor with coax and not 'ladder-line'. And while this conductor can radiate, and he DOES say so, he NEVER explains under what conditions. This is left up to the reader, and this isn't so easy a subject for most amateurs.

(If you think I am being hyper-critical about the reapeating and wasted space; DO read the third and fourth paragraphs. It will be very apparent.)

I could go on and on with this. But the intent was to warn you guys. You don't need to be confused by this one.

Instead, go out and find a copy of the excellent Maxwell book: Reflections. The ARRL USE TO publish it, too bad they let it go. Does anyone here know if it has been picked up by another publisher like sevick's original book has?

If you can't find it, check out the antenna info here in the last two years. Some of the older stuff is quite good, as good as the recent tuner stuff. (Top notch) Be careful thou, because some of it was trash, but that didn't get by without comment...hi.

Get a copy of either or both of Kurt N. Sterba's books published by Worldradio magazine. Consider a subscription to the mag to read his monthly column.

Get the league's antenna book, any or all of the compendiums, and the handbook as excellent sources of info on this stuff.

(And NO I don't not have any conection to any of the above mentioned business concerns, to the best of my knowledge.)

Finally;

I trust everybody had a healthy and happy holiday season. I got

my 20th something pick of a new call in the FCC's designer call
lottery, and I may even keep it! Have a fun coming year and
BEST 72 es 73;

Baab, W9YA nee n6cxb

P.S.;

(I just read the teaser at the top of page 37! GOOD for many
yucks.)

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [7158] Look OUT for this one! (medium length)
Message-ID: <961225211658_70731.722_EHM56-4@CompuServe.COM>

> Instead, go out and find a copy of the excellent Maxwell book:
>
> Reflections. The ARRL USE TO publish it, too bad they let it
>
> go. Does anyone here know if it has been picked up by another
>
> publisher like sevic's original book has?
>

Does anybody know a source for Maxwell? A small local electronic store's
phone number was listed right here on this list as a source a month ago,
allowing me to instantly snap up a copy. Extremely high recommendation from
me now, too. But source is now empty.

In the same thread a month ago someone said that World Radio was planning to
publish Maxwell's _Reflections_.

Dan

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: n4so@juno.com
Subject: [7151] QRP SSB SPRINT
Message-ID: <19961225.151406.5223.3.N4S0@juno.com>

QRP ARCI WINTER FIRESIDE SSB SPRINT
sponsored by QRP ARCI January 12, 1200 to 2100 local time.
from QST mag Jan. 1997 on page 107

On another Mode /and note: MICHIGAN QRP CLUB CW CONTEST,
sponsored by Michigan QRP Club 1200Z Jan. 18 to 2359Z Jan. 19.

Ken Brown , N4S0
QTH: Nr Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: ed.welch@cheaha.com (ED WELCH)
Subject: [7124] QRP-L member response....
Message-ID: <8CEC559.00040010FB.uuout@cheaha.com>

-> Thanks to all of the 20 plus replies to my toroid color code
-> question. Terrific useful info.

The folks on this list amaze me. Never before have I seen a group of
folks on the net that are so eager to help one another. It's so very
refreshing and inspiring.....this group is indeed a treasure.

If the rest of the world communicated with one another, responded to one
another, and apparently cared about one another like the folks in this
group appear to do then the world would be a much, much better place.

Tnx, everybody, since joining this list I've got a refreshed view of
mankind.

72/73
Ed Welch KF4KRV
QRP-L #873
Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [7115] Radio History
Message-ID: <Pine.A41.3.95b.961224155446.172700B-100000@homer34.u.washington.edu>

On this day in 1906, sailing out of New York towards Rotterdam was the freighter West Selene. The wireless op on board was a fellow by the name of Henry Jacobson. Barely 200 miles off the United States' New England coast, on this cold wintry night, he heard over his wireless station a most unusual sound. He heard what was then, for the first time, music and then the voice of a fellow man being transmitted over the airwaves. Next was heard a violin playing softly followed by a song of Christmas, Silent Night. Ships far out at sea tuned in that Christmas Eve to listen and marvel at this new form of communication. It was still the era of spark gap transmitters.

So, on this day, 95 years ago, a Canadian citizen by the name of Reginald Fessenden did invent and put into service the first true radio transmitter. The apparatus was a dampened spark gap generator of his own design and specification, built in America. The station, with it's towering antenna, was assembled at Brant Rock, Massachusetts, about 30 miles up the beach from Boston. Still, another fifteen years passed before radio once again became a public medium. But for a few souls sailing amongst the sea of humanity there was a Christmas miracle that night on December 24, 1906. It was the miracle of radio, with Christmas wishes....and a song, Silent Night.

May you each enjoy your own miracle of Christmas. As we sail this journey, may you all sleep in heavenly peace this night.

Stephen Lee, AB7HI

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [7157] Rat Shack and QRO CB's
Message-ID: <961225211649_70731.722_EHM56-2@CompuServe.COM>

> Just curious here about something. Nothing has changed about the power
> limitations of CB's has it? A non-ham friend of mine told me that a Rat
> Shack in a neighboring town has "on display" a specific Cobra CB with a
> 50w amp built onto it. Also several larger amps were there were sale.
> This isn't a "company store" but a franchise or whatever. The power
> limit *is* still 4w isn't it? Tnx fer your reply.

Well for what it's worth I recently saw on display a stack of mail order catalogues from some electronic company in Kentucky or Tennessee (I forget which). Their catalogue's whole theme was high power operating. Catalogue could be legally described as pertaining to ham radio oriented. But it was all 10-12 meter gear, reverberation D-104 mike conversion boxes, etc.

Dan

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Scott Bauer <ke3nv@erols.com>
Subject: [7125] Seasons greetings
Message-ID: <199612250540.AAA07547@smtp1.erols.com>

Seasons Greetings to all!!!! Merry Christmas, Happy New Year!!!! :-)
I hope you all get some really neat QRP toys under the tree.
72, Scott W3CV..

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: "Frank, G3YCC" <g3ycc@enterprise.net>
Subject: [7143] THIS YOU MUST SEE!!!
Message-ID: <199612251658.QAA15085@mail.enterprise.net>

I have at last finished processing some more files from SM0VPO, there are to be found in my homebrew corner of my web site. Namely:

A SIMPLE HF/VHF RX

MATCH BOX 5 WATT TX
CIGAR BOX VALVE RIG
AC PSU
A 'BUG' RX
CAVITY VHF RECEIVERS
GDO
Q-MULIPLIER
QUICK RX
REGEN RX
RF POWER
SSB TRANSMITTER
STEREO RECEPTION FOR CW
SWR BRIDGE
TWO KEYS TO MAKE

Please see the starting page of the homebrew corner and note the email address for Harold, SM0VPO and PLEASE send him an email - he has done a great deal of work on these files.
Sorry it has taken me a while to finish them, plus a hiccup with my Internet server, but here they all are and there is MORE to follow soon!
Enjoy!

-----72/3-----

Frank, G3YCC G QRP Club 042
QRP Web Site: <http://homepages/enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: ori@juno.com (Ori K Mizrahi-Shalom)
Subject: [7120] RE: "38 Special" kits - why?
Message-ID: <19961224.182208.4375.1.ori@juno.com>

There was a lot of traffic about upgrade/enclosure kits for the "38 Special". I know that the suggestion was made with good intentions.
Let me explain my side of things. All people involved in a project like this agree to do it not for a financial benefit but for the sake of promoting the hobby.
Doug is putting tremendous efforts *everyday* and so does Jim. They "recruit" and encourage designers to do those projects and give exclusive rights for one year to Norcal, not for the money - they could charge more for sure - but as a service to the QRP community.
If you count the hours that Dave Fifield and myself spent to rush

this development, the efforts by Jim Parker, Doug, Jim, Jeff Furman and Paul Harden, it is not a profitable project by any means.

You must understand what Doug and the people involved feel when they see a 49er kit for sale for \$40 and a St. Louis tuner for \$120. Yes, it's a free country and people can make money that way, but if we encourage that, you won't have the spirit of service to the ham community anymore. I'll always remember this fellow telling me he lost interest in ham radio until he's built the Norcal 40 and worked the world with it.

Clubs and club projects play an important role in promoting ham radio, in times of Internet and other "alleged" competition.

Doug Hendricks can start a kit company and do well!

This is not to say there shouldn't be kit companies, they are a great part of the hobby, especially QRP. But they run as a business, clubs don't!

The spirit of the "38 Special" was very simple. It was meant to encourage people to build, encourage other to inquire, and maybe inspire a few to improve.

There are those that just want a working radio. That's fine, they can buy a "38 Special" or any other club kit and have someone build it for them. If they want to build it themselves with no hassles, they have many *complete* kits in the market to choose from.

The "38 Special" should be left raw, for people to work on. It wasn't made to just break the "low-price record".

The parts are available from different sources, many have them in the junk box.

Let me tell you of one "exotic" part. Doug brought his "38 Special" yesterday to show me. He opens the case, happy as a kid!

This thing is built nice, even has the IRF-510 circuit in it. But then I noticed a weird ferrite "bead", pretty bulky.

"What's that" I ask him and Doug, with a big smile says "This is my ferrite bead, I didn't have one so I broke a piece from something I had in my junk box. Hey it works!" and then he added what I think sums up the main issue here, he says "I'm a ham, right?".

Well, not every ham feels that way, but I agree with Doug on that one. The "38 Special" was done by a team that wants this radio to reflect a certain spirit of ham radio. Commercial endeavour will just spoil a nice Christmas present!

Merry Christmas and Happy Holidays to all.

ORI AC6AN

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996

From: Alan Kaul <kaul@netcom.com>
Subject: [7129] RE: "38 Special" kits - why?
Message-ID: <Pine.3.89.9612250107.A13455-0100000@netcom23>

I have to agree with Ori, Doug and the others. I've been building QRP stuff since QST came out with the Sardine Sender and the Herring Aid 5 back in the late 70's. And I've got to tell you -- it's NEVER been this good, this inexpensive, and this much in the interest of Amateur Radio!! And I mean it. In the early 80's, ARRL got behind a rig it called 'the IARU Universal Transmitter.' Relatively speaking, it cost a fortune. It was a real QRP gallon -- 6W output.

The design was pushed by QST and the rig was introduced at hamfests and ARRL conventions around the country. Several radio clubs distributed circuit boards free (I think United Radio Amateur Club in Long Beach, CA made the one I got at the SW Div convention for FREE). But, the truly bad news was when kits were offered by others for the board-mounted parts, it cost you an arm and a leg. I believe the going price for the IARU transmitter was around \$90 back about 1982-83. The companion receiver, written up in QST, was DC and there was a parts kit available for around \$45, if I remember correctly. That's \$135 for a good transmitter, a not-so-good receiver and none of the TR-switching/interface circuitry was provided!

I built the receiver first. Then the transmitter. I built other receivers, finally settling on one of the first with a crystal filter (the 3.579 MHz colorburst filter rig written up by DeMaw, et al), and nicknamed 'the Bare Bones' or 'Barbados' rcvr (he eventually took it on a QRP DXpedition to Barbados, hence the name).

It was all discrete parts, nary a NE602 in the bunch.

And while it worked well -- I had a 20M DXCC count of 75-80 with it back in 1985 when I was JY9RL (the call letters were always worth a 599 no matter who I worked or how weak I was!) -- it was NO Norcal 40, NO Sierra, NO OHR, NO xxxxxxxx (fill in the blanks). It did work, but there was neither a support group to help you get it going, nor a non-profit organization to sell you parts. The ARRL didn't, couldn't, wouldn't, etc., and there was no one else. Volunteers? Are you kidding? I bought parts one-at-a-time, the old fashioned way, and probably had \$50-60 in the transmitter (the board was free, remember).

I've often wondered what would have happened to the QRP movement back in the 80's, had the ARRL picked up the ball and pushed the learn-thru-doing kind of radio Norcal, qrp-1, and others have fostered. Sure, they might not have pleased the advertisers who wanted to sell appliances to operators. But they might have done a lot to help create a cadre of individuals who were learning

electronics by doing electronics. And in the long run, I'm convinced it isn't the guys operating appliances who are important to the future of Amateur Radio. Sure, they might spend most of the money but they aren't likely to come up with any of the innovations that the Sarnoffs, Farnsworths, Collins, Krauses, and others came up with in the early days.

You might argue that the rest of use aren't coming up with innovations either because technology has raced on by most of us. And I'd have to disagree. Because in the 38-Special Ori designed does have innovations ... a real radio for \$25... in the Norcal 40, and Sierra Wayne came up with innovations and radios for reasonable prices, ditto NN1G and the 40-30, 40-40, etc. Rick Littlefield probably started it all back in the late 80's with his 20M rig in the pages of HR. Now there are plenty of others: Emtech, and OHR, and QRP+, etc, carrying on. And in coming up with the designs, they've helped return Amateur Radio to something that it used to be... a friendly brotherhood (or sisterhood!) of people with some shared thoughts and ideas helping each other. Ori didn't have to share the 38-special, HE WANTED TO -- IT WAS HIS CONTRIBUTION. Fifield and Harden and others didn't have to help. They wanted to, because it was their contribution. Doug and Jim at Norcal could easily have passed this hassle by and not gotten involved. But they wanted to. And we're all the better and richer for it. And while most of us might never become ENGINEERS, many of us will become passable technicians in the process.

I didn't do this to flame or enrage anyone, but I wanted people who might not have been in Ham Radio 10-or-20 years ago to know what it used to be like.

And I just wanted to thank the innovators all, and to wish them and you Merry Christmas, Happy Hannukah, Happy Kwansei, Happy Divali, (whichever ones you celebrate!!!) and a Happy and Peaceful and Prosperous New Year.

73/72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com
QTH: LaCanada, CA, ex K7EHW, ex F0FVR, ex JY9RL,

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: ed.welch@cheaha.com (ED WELCH)
Subject: [7130] RE: "38 Special" kits - why?
Message-ID: <8CEC58D.0004001107.uuout@cheaha.com>

-> The spirit of the "38 Special" was very simple. It was meant to
-> encourage people to build, encourage other to inquire, and maybe
-> inspire a few to improve.

-> The "38 Special" should be left raw, for people to work on. It wasn't
-> made to just break the "low-price record".
-> The parts are available from different sources, many have them in the
-> junk box.

Nor was the 40-9er a "Wal-Mart" special. Great rigs to live and learn
with. I wouldn't go into my TS450 tinkering around (at least not
yet<g>)....but, with the 40-9er or the "38 Special" I feel more inclined
to "try this" or "try that", to learn what makes them work. I guess
some of the reasons for building the kits are for my own greedy,
self-satisfaction and personal education.....sounds good to me! :-)

Of course, referencing the TS450.....I probably wouldn't have it sitting
on my desk if I'd known about QRP to start with. When are they ever
gonna include QRP in the Novice/Tech+ question pool?<sigh>

-> Let me tell you of one "exotic" part. Doug brought his "38 Special"
-> yesterday to show me. He opens the case, happy as a kid!
-> This thing is built nice, even has the IRF-510 circuit in it. But
-> then I noticed a weird ferrite "bead", pretty bulky.
-> "What's that" I ask him and Doug, with a big smile says "This is my
-> ferrite bead, I didn't have one so I broke a piece from something I
-> had in my junk box. Hey it works!" and then he added what I think
-> sums up the main issue here, he says "I'm a ham, right?".

Beautiful!

Tnx fer the message, Ori, good points through es through.

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+  
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----  
+-----+
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> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Wed Dec 25 18:01:15 1996

From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [7146] RE: "38 Special" kits - why?
Message-ID: <Pine.OSF.3.95.961225112711.11551B-100000@duke.usask.ca>

I am confused regarding making the extra parts into a kit. I suspect that the original intent was to make the parts easily accessible and affordable. Also, it was suggested that if someone were to take this on people wouldn't mind paying a but extra to make it worth his or her time.

However, from another point of view Ori and crew worked very hard to create the 38 special and it doesn't seem fair that someone else would profit from their work. Especially since the price of the kit is very low on purpose so that more hams will be encouraged to build.

So what is the solution? It would be nice if the extra parts were available in kit form. I live near a City where the only over the counter electronic parts are available from Radio Shack. Perhaps Norcal could put out the kit. But Norcal seems really busy, should we ask them to do yet-another-thing? Perhaps someone else could look after the extra-parts kit. But what if this person made a profit?

Perhaps Norcal could continue to sell the 38-special at its incredibly low price, but sell the extra kit at a profit. This would be more work for Norcal but people would get the extra parts as a kit and the profit would go to the right people.

Food for thought?

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| A Thought for Christmas: |
| The only decent thing to do behind someone's back is pat it! |
+-----+
```

From owner-qrp-l@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: ed.welch@cheaha.com (ED WELCH)
Subject: [7154] RE: "38 Special" kits - why?
Message-ID: <8CED347.000400112D.uuout@cheaha.com>

-> Perhaps Norcal could continue to sell the 38-special at its
-> incredibly low price, but sell the extra kit at a profit. This would
-> be more work for Norcal but people would get the extra parts as a kit

-> and the profit would go to the right people.

Well, I doubt the profit would be very large when you split it among the crew of NorCal. Of course the profit might just be enough to buy 'em some nice steaks for the grill and some good brew....kinda of a victory celebration, eh? :) (Provided they wanted to add this "mod-kit/finishing-kit" chore to there list.)

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

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+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
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> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Wed Dec 25 18:01:15 1996

From: nskousen@scientech.com (Niel Skousen)

Subject: [7116] Re: 6 Mtr QRP Kits

Message-ID: <199612250115.SAA06641@eaglerock.if.scientech.com>

>Hi:

>This came up on another newsgroup as well. The consensus was: not much is
>available. The R2/T2 kit from Kanga could do it, but I would not class it
>as "simple". Check out back issues of QST for anything by Rick Campbell,
>KK7B, to get a flavor for what is involved.

>I think we need to lean on Dave, NN1G, to take this on as an adaptation of
>his White Mountain series....

>The very best of seasons greetings

>John

gee, 68 Special comes to mind, also be willing to bet that Wayne's SST will be movable. In all cases moving anything from a Norcal 40 to 38Sp to SST or SWL rigs is not technically complex, but is more than changing tuned circuits. Typically additional gain and devices are necessary though the architechture remains essentially the same....

I had an extra 49-er which was started towards 6m, then came the 38sp & the SST, so the 49-er went to a home needing a 49er and the 38spcl is already moving to 6 on paper.....

GL CU on 6 (someday....)

Niel

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [7117] Re: 6 Mtr QRP Kits
Message-ID: <Pine.3.89.9612242019.A4199-01000000@w3eax.umd.edu>

I have GOT to disagree here. ANY 20m QRP rig can drive the Ten-Tec 1208 transverter, which puts out about 8 watts (and can probably be reduced if you want it to be. This is a kit, and for \$95, is a HECK of a kit.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

> This came up on another newsgroup as well. The consensus was: not much is
> available. The R2/T2 kit from Kanga could do it, but I would not class it
> as "simple". Check out back issues of QST for anything by Rick Campbell,
> KK7B, to get a flavor for what is involved.
> I think we need to lean on Dave, NN1G, to take this on as an adaptation of
> his White Mountain series....
> The very best of seasons greetings
> John
>
>
>

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Sjolin@aol.com
Subject: [7144] Re: 6 Mtr QRP Kits
Message-ID: <961225115638_1323164972@emout16.mail.aol.com>

In a message dated 96-12-24 18:35:38 EST, jakirk@freenet.calgary.ab.ca (John Kirk, VE6XT) writes:

<< This came up on another newsgroup as well. The consensus was: not much is available. The R2/T2 kit from Kanga could do it, but I would not class it as "simple". Check out back issues of QST for anything by Rick Campbell, KK7B, to get a flavor for what is involved.
I think we need to lean on Dave, NN1G, to take this on as an adaptation of his White Mountain series.... >>

Or you could consider building a transverter. The TenTec transverter can be driven by any 20 meter rig that puts out 3-5 watts. You could build the new White Mountain SSB radio and then put it on 6 meters for an additional \$95.

Merry Christmas. 73 de Dave, N0IT

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: "Phil, K6LS" <k6ls@amsat.org>
Subject: [7153] Re: 6m philosophy
Message-ID: <32C17A84.4CCA@amsat.org>

Scott Rosenfeld NF3I wrote:

>
> As I like to say,
>
> "6m sucks until there's an opening."
>
> Nothing, nothing, nothing to hear...When I built my 1208 xverter, it was
> early April. I heard NOTHING except the cordless phones and the W3VD
> beacon on 50.064 for the next 2+ months. I was getting frustrated.
>
> Then BAMMMMM!!!! Came home one night at 7 p.m. and flipped on the
> xverter and WOW! OTHER BEACONS! Hey, maybe that translates to people!

been there, done that!!!

I built a 1209 and thought the darn thing was inop,
but my bench checks told me other wise, and I could not figure
it out, nothing heard.....then coming down off the mountain and
back home, just before the end of a vhf contest, I turned the
transverter

on and wow, Canadians, Mt,WA,OR,ID all 59 into central CA (CM97) I
proceded

to work about a dozen Q's!!!!

When 6m is off, it is OFF!! but when its on, boy is it ON!!!!

I now have some serious 6m gear (Alinco DX70TH) so look out!

most hams dont know what they are missing, regardless of their lic. class...

happy holidays, 72/73 de Phil K6LS

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996

From: Art Searle <w2nra@netusa.net>

Subject: [7137] Re: Clock program?

Message-ID: <32C150E7.4F23@netusa.net>

ukii wrote:

>

> Hello Again...

> Well,since the pool of knowledge is on Holiday,maybe someone

> can tell me if there is a program out that will show me UTC time

> I am running windows95 and want to have that little clock at the

> bottom "currently showing local time" to stay there,but want another one

> that has UTC time..is there one somewhere?

> Any help would be greatly appreciated!

> Best 73 de john

> n9ukx

> (I will refrain from extending my Heart Felt Wishes for A Merry

> Christmas and Happy New Year because I have no flame retardant suit)

The only program I know that does this works with both Win311 and Win95. It is called Winzone and a different version for Win311 & Win95. I've tried both having just changed operating systems (Windows95 is great!) Winzone allows you to put as many clocks on your screen for as many timezones as you like. You can configure the clocks as to type, digital or analog, size, whether they stay on top of your other software or not and where they are to be located. I'm using one for UTC right now, configured for the upper right corner, digital, with day of the week and date in the window also. You can get additional info at:

<http://www.extendinc.com/>

And don't forget to check out Socketwatch. This is a Win95 only program that corrects your computer clock automatically every time you connect to the network. Or you can configure it to connect itself (overkill, I think). You can get info on this at:

<http://www.locutuscodeware.com/>

Let me state that I have no commercial interest in either of these
produces other than I am a satisfied customer.

Merry Christmas es 72, de Art

--

Art Searle, W2NRA [ex WU2K], ARRL Life Member, QRP-L #524
QRP ARCI #9123, DXCC MX & CW HR, NRA Benefactor Life Member
NRA Certified Firearms Instructor, Fight for your rights!
Join the NRA now! <http://www.nra.org/membership/mmbrapp.html>

From owner-qrp-l@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: "Bob Follett" <bfollett@ditell.com>
Subject: [7141] Re: Clock program?
Message-ID: <199612251653.JAA30627@orion.ditell.com>

Ukii and Gang:

Ukii wrote: <<
maybe someone can tell me if there is a program out that will show me UTC time
I am running windows95 and want to have that little clock at the
bottom "currently showing local time" to stay there, but want another one
that has UTC time..is there one somewhere? >>

Several options have been covered, but I thought I would throw out a couple
more.

First, there is the venerable, GeoClock, which now has a shareware Windows
version. It can be sized to take up part of your screen, and shows local and
UTC time, gray line, etc. It's pretty, does the job, but with the graphics,
does take alot of your display space.

Second option: Atomic Clock 2.0 from Parsons Software. Also Windows based,
it runs as a much smaller box, and displays UTC, Apparent Sidereal for you
astronomers out there, sunrise/set, julian date, lunar phase, and a database
allowing lookup of exact time in over 3,000 cities throught othe world.

It uses your modem to dial atomic clock reference sites throughout the world,
so you more than likely will pay for short long-distance charges everytime you
refresh it, and by the way, the software also talks time using WAV files!

Not shareware, but cost is a reasonable \$19.

Parsons can be reached at 1-800-799-600 and for you non-Norte Americano's, they have an Email address of: cassist@parsonstech.com, or demos of some of their products at a web site: www.parsonstech.com/?invite6.html

The usual disclaimers, I own several Parson products, and am a satisfied customer -- period.

Third Option: This is old data, so beware....TRS Consultants, Tom Sundstrom, who sells SWL target station databases used to offer a program called "TRS Time for Windows" which simply places a UTC time window box anywhere on the screen, on top of any other windows that are open. Cost was \$10. For the least interference from doing other work on the PC, this is it.

I only have an address and fax number for Tom, 1994 data, but I know he is still in the software business....

TRS Consultants
PO Box 2275
Vincentown, NJ 08088

fax 609 859 3226

Thats it from here. I am using Swatch myself, but don't like the fact that Windows95 only displays hours and minutes at the bottom of the display.

73 & Happy Holidays, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-l@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [7159] Re: Clock program?
Message-ID: <961225211654_70731.722_EHM56-3@CompuServe.COM>

> Third Option: This is old data, so beware....TRS Consultants, Tom
> Sundstrom, who sells SWL target station databases used to offer a program
> called "TRS Time for Windows" which simply places a UTC time window box
> anywhere on the screen, on top of any other windows that are open. Cost was
> \$10. For the least interference from doing other work on the PC, this is
> it.

>
> I only have an address and fax number for Tom, 1994 data, but I know he is
> still in the software business....
>
> TRS Consultants
> PO Box 2275
> Vincentown, NJ 08088

TRS is also on the WWW. Can link to TRS page from the easy to find, popular,
Gilfer Shortwave page. Gilfer now handles most if not all of TRS retail
sales. The windows clock program is still for sale.

Dan

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: tahrens1@juno.com
Subject: [7163] Re: Look OUT for this one! (medium length)
Message-ID: <19961225.170609.9166.0.tahrens1@juno.com>

I want a copy of Maxwells book too!!!

Tim W5FN

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [7148] Re: N100Q RX #3: images and spurs for all bands
Message-ID: <Pine.OSF.3.95.961225120913.5503A-100000@duke.usask.ca>

Does anyone have N100Q RX #2? I seem to have missed it?

Thanks.

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| A Thought for Christmas: |
| The only decent thing to do behind someone's back is pat it! |
+-----+
```


From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Dave.Ackrill@westwood45.powergen.co.uk
Subject: [7128] Re: oa4dbo
Message-ID: <961225095843Z*/G=Dave/S=Ackrill/O=Westwood45/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB@MHS>

I saw the triband beam on the embassy roof. Mind you, anyone going to London should walk past the Chinese embassy and see the log yagi on their roof! I don't think that it would be a QRP station somehow. Mind you, if that antenna came up on the second-hand market I guess there might be a few second mortgages being taken out....

Whilst on the subject of antennas, anyone have details of the capacitance loading used with the Cobwebb antenna (BTW I believe this is the correct spelling as the designer was one Mr. Webb!)? I know it uses this system, but not been able to find a way of calculating the value of capacitor needed. I'm thinking of rolling my own for QRP use, so wouldn't think that I would need ones capable of very high voltage, or would I?

Cheers - Dave (G0DJJA)

Merry Christmas and a Happy New Year to everyone.

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: watkins <watkins@socketis.net>
Subject: [7121] Re: QRP-L digest 585
Message-ID: <32C097CF.22D@socketis.net>

Hi, Gang -

- > Why, oh why, do so many of you insist on calling Radio Shack "Rat Shack"?
- > Do you think you're being cute? Do you think they're so bad they deserve
- > that moniker? How many times has "Rat Shack" saved your butt on a Sunday
- > afternoon when you needed a 100 uF electrolytic?

I understand the frustration which brings on the nick-name. I discovered they they do not stock a 5 ohm 1 watt resistor. OK, that's pretty teeny, I'll admit. But the same week I discovered they stock no solder-on BNC connectors, only crimp-on models. I asked why that might be, and was told that it is not necessary to solder them, either for mechanical or

electrical reasons. Made me think they should re-write their newest sales logo: "You have questions. We have excuses."

Consumer electronics? You get what you pay for at RS. Friendly sales folks? You bet. But for small goodies for projects I go 'cross town to the home-town guy who closes at noon Saturdays. I'm lucky he's there.

Suit is on...
Daniel Watkins W3DW

From owner-qrp-l@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: k1nit@juno.com (bill crowley)
Subject: [7132] Re: QRP-L digest 585
Message-ID: <19961225.092544.3790.0.k1nit@juno.com>

My late friend Len, K1NBSG, used to call Radio Shack "Nagasaki Hardware," back when "made in Japan" had a negative connotation. It is not the same as when they had one main store on Commonwealth Avenue (even us folks way up here in the Big Piney Woods would make a special trip south for THAT!).

Bring on the flamethrowers (and the solderless soldering guns)!

73 es Merry Christmas de Bill, K1NIT
in Farmingdale, Maine (This is not the end of the world, but it's not far up the road.)

From owner-qrp-l@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Art Searle <w2nra@netusa.net>
Subject: [7136] Re: QRP-L digest 585
Message-ID: <32C14DD0.1627@netusa.net>

bill crowley wrote:

>

> My late friend Len, K1NBSG, used to call Radio Shack "Nagasaki Hardware,"
> back when "made in Japan" had a negative connotation.

When did that change? Maybe the quality has changed but it still irks me that this great country, for whatever reasons, cannot compete when it come to most mass produced products. Ten-Tec is our last hope, excluding kits. I'm not suggesting a boycott of JA products, I think they're great.

It just irks me to admit manufacturing defeat and I do lust for JA cars,
JA motorcycles, JA cameras & camcorders, JA TVs & VCRs and I own 3 JA
rigs,
an Alinco VHF, a Kenwood HF & a Yaesu VHF HT.

Merry Christmas es 72, de Art

--

Art Searle, W2NRA [ex WU2K], ARRL Life Member, QRP-L #524
QRP ARCI #9123, DXCC MX & CW HR, NRA Benefactor Life Member
NRA Certified Firearms Instructor, Fight for your rights!
Join the NRA now! <http://www.nra.org/membership/mmbrapp.html>

From owner-qrp-l@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Byron8LCZ@aol.com
Subject: [7123] Re: QSL Information
Message-ID: <961225000008_236961242@emout18.mail.aol.com>

WOW, check this one out, gang. a list server that suppyls DX addresses for
QSL'ing and it works:
I found info on this, on the ten-ten server.

<< Subj: QSL Information
Date: 96-12-24 16:45:26 EST
From: qsl-info@datasync.com (QSL Info Server)
Reply-to: owner-qsl-info@datasync.com
To: Byron8LCZ@aol.com

T77C
T77C VIA G0DBH (DIRECT!)
UPDATED BY DL4SDR: 11-AUG-1996 0953Z

V31YK
V31YK VIA W5JYK
UPDATED BY DL1SBF: 23-OCT-1994 1326Z

QSL Info Server Instructions

Send e-mail to qsl-info@datasync.com with DX callsigns in
the message body. Include only callsigns for best performance.

Additions and corrections should go to the database maintainer:
Lothar, DL1SBF packet radio address: DL1SBF @ DB0SDX.#BW.DEU.EU
email: k9pes_ms@siiks.a1.bosch.de

Other comments, etc. to Ray, WQ5L rocker@datasync.com

For W/VE callbook addresses visit <http://www.qrz.com/cgi-bin/webcall>

>>

Is this better than sliced bread or what ?

72 es enjoy, Byron WA8LCZ

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996

From: Ken Lopez <kjlopez@earthlink.net>

Subject: [7161] Re: Rat Shack and QRO CB's

Message-ID: <32C1A302.23EE@earthlink.net>

Holiday Greetings to All!

I recently sold a 100+ amp 13.8V power supply (yes it was for a 500 watt TenTec amp, which I no longer have). I listed it on the 40m swap net here on the West Coast. The guy who bought it, for a friend in Tenn., was a ham and explained what he and his friend were up to.

There is an underground of high power CB operation. They are doing a lot of homebrew, and many are licenced amateurs. Multi Kilowatt base and mobile stations are common, and they even have competitions for power output!

He explained the whole scene, how they develop power, power supplies, tubes used, power transistors and how to sort for the ones that can run above the rated voltage and current, RF measurement, circuit topologies, how to eliminate spurious and out of band energy, and on and on. He says that there are mobiles running many kilowatts, both tube and solid state, and some base stations capable of in excess of 20Kw output! He was very knowledgeable and enthusiastic. He showed me his homebrew antenna, alternators, and power setup, but no gear was installed in his truck. Very nicely laid out and built to high standards.

I was, surprized, to say the least, as I had no idea about it all. He also said that Truckers are really not the ones running high power. They are interested in talking up and down the Interstate to other truckers, so two hundred watts or so is fine for their purposes.

That is the scoop folks. Imagine, 20Kw CB! No QRP for those boys. So, the next time you have engine trouble while driving next to a Chevy Suburban (the vehicle of choice because of the space), with a

very gnarly looking antenna on it, you will know what hit you...

73, Ken, N6TZV

From owner-qrp-1@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: jeffa@ix.netcom.com (Jeff Anderson)
Subject: [7134] Re: Tuners: Balanced (was PI)
Message-ID: <199612251443.GAA11676@dfw-ix8.ix.netcom.com>

Charlie, W6JJZ wrote:

>

>Put two 1000 ohm resistors in series across the output of the tuner.
>This simulates a balanced antenna system presenting a 2000 ohm feed
>point impedance at the tuner (well within the realm of reality with
>some balanced antenna systems). Then, to simulate zero ohms common
>mode impedance, ground the junction of the two resistors to the lower
>side of the input of the input balun.

This circuit does not represent 0 ohms common-mode impedance; rather, the common-mode impedance is 500 ohms (actually, the common-mode impedance, as seen by the source, should also include the balun's common-mode impedance in series).

>(This point presumably would be
>at ground potential in actual operation, if the rig itself is
>grounded.) And then apply a little RF to tuner, adjust for 1:1 SWR,
>and use an RF voltage probe to measure the voltage drop across each of
>the resistors. (And try the tests on different bands.) If the voltage
>drops are equal, the currents in the two resistors are equal. If the
>drops are not equal, you know that part of the output current is
>taking a path other than through one of the resistors.

Hmmm, doesn't the current **always** go through one or other of the resistors? The real question is, does the current passing through one resistor return through the other (which it should do in a balanced condition)?

Does a balanced tuner insure balanced currents any better than a balun? If so, why? This is not clear to me - after all, there is still a return path (that is, common-mode path) through ground back to the transmitter (unless the xmtr is **completely** isolated from ground! (Battery powered? - but even then there is a capacitive coupled common-mode path)).

In other words, using the two 1k resistors mentioned above, there is

still the common-mode path from their junction back to the transmitter, and this path is independent of the tuner. Why does the balanced tuner present a greater impedance to common-mode voltages than an unbalanced-tuner w/balun?

(Charlie, please e-mail me a copy of your tuner - you've got me interested in looking into this further!)

>Roy Lewallen, W7EL, posted a note on the antennas newsgroup something
>over a year ago giving a detailed explanation. He began: "I'm here to
>eat some words. For a long time, I've promoted the idea of putting a
>1:1 current balun at the input of a tuner to improve current balance.
>This doesn't work. In fact, neither the current balance in the output
>conductors nor the voltage across the balun are any different when the
>balun is put at the input or the output of the tuner."
>

I believe Roy's point in his original posting (and also the article available via FTP) was that you achieve the **same** current balance whether or not the balun is placed at the input or the output of a tuner. That is, current balance is independent of balun placement. This thesis was the point of the article. I don't think he was saying that balun's don't improve current balance.

Regards, and happy holidays,

- Jeff, WA6AHL

P.S. A good analysis of balun (common-mode choke) operation can also be found in the 2nd edition of "Noise Reduction Techniques in Electronic Systems," by Henry Ott. It's a book I highly recommend.

From owner-qrp-l@Lehigh.EDU Wed Dec 25 18:01:15 1996
From: Charlie Lofgren <clofgren@BENSON.MCKENNA.EDU>
Subject: [7119] Re: Tuners: Balanced (was PI)
Message-ID: <Pine.PMDF.3.91.961224164944.200500B-1000000@BENSON.MCKENNA.EDU>

There have been several postings on using an input balun with an unbalanced T-network (or pi or L network) to produce the equivalent of a balanced output antenna tuner.

The flaw here is that the winding (or series) impedance of the balun appears between the "lower" side of the tuner output and ground. (You can re-draw the schematic to illustrate this.) Unless the winding impedance of the balun is **very** high, a portion of the output current **may** flow

through the balun to ground. Whether it actually does depends on the feedpoint impedance at the tuner and the common mode impedance of the antenna system (along with the balun's winding impedance).

This is only tangentially a QRP topic, but given the importance of tuners and antenna systems to us, I'll offer a few more comments.

To simulate a worst-case situation, with a high feedpoint impedance and zero ohms common mode impedance, try this, using an unbalanced matching network and an input balun:

Put two 1000 ohm resistors in series across the output of the tuner. This simulates a balanced antenna system presenting a 2000 ohm feed point impedance at the tuner (well within the realm of reality with some balanced antenna systems). Then, to simulate zero ohms common mode impedance, ground the junction of the two resistors to the lower side of the input of the input balun. (This point presumably would be at ground potential in actual operation, if the rig itself is grounded.) And then apply a little RF to tuner, adjust for 1:1 SWR, and use an RF voltage probe to measure the voltage drop across each of the resistors. (And try the tests on different bands.) If the voltage drops are equal, the currents in the two resistors are equal. If the drops are not equal, you know that part of the output current is taking a path other than through one of the resistors. Work it out and you'll see it's going through a circuit that includes the winding impedance of the balun.) (And if the impedance of the balun has a substantial resistive component, the balun will be consuming power.)

Roy Lewallen, W7EL, posted a note on the antennas newsgroup something over a year ago giving a detailed explanation. He began: "I'm here to eat some words. For a long time, I've promoted the idea of putting a 1:1 current balun at the input of a tuner to improve current balance. This doesn't work. In fact, neither the current balance in the output conductors nor the voltage across the balun are any different when the balun is put at the input or the output of the tuner."

His longer paper on the topic gives still more detail and is available by anonymous ftp from [ftp.teleport.com/vendors/w7el/ibalun.txt](ftp://ftp.teleport.com/vendors/w7el/ibalun.txt). (At least it was there in October 1995.)

Frank Witt, AI1H, covers related ground in his article in volume 5 of the ARRL Antenna Compendium (just out), entitled "Baluns in the Real (and Complex) World," pp. 171-181. See the section on "Balun Location," pp. 180-181.

Frank's "Geometric Resistance Box," described in his April 1995 QST article ("How to Evaluate Your Antenna Tuner," part I), provides a convenient means for checking both balun and tuner balance at various

impedances. In fact, if you're doing much checking, his approach is much more convenient than the test I described above.

My (immodest) advice?? Get one of Roy Gregson's EMTech Z-match kits; or build one of my Z-Matches (I can email the circuit, or you can get an updated version in just-published volume 5 of the ARRL Antenna Compendium--C. Lofgren, "An Improved Single-Coil Z-Match," pp. 194-196); or try a classic link-coupled balanced tuner.

72 and Merry Christmas,

Charlie, w6jjz
clofgren@benson.mckenna.edu